

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.
CUNO-407.2

SERIAL NO.
10/737,134

APPLICANT(S)
SALE, Richard et al.

FILING DATE
12/16/2003

GROUP

MAR 25 2004

U.S. PATENT DOCUMENTS

*EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AK	4,849,671	07/18/1989	Fendley			
	6,126,826	10/03/2000	Pacheco et al.			
	6,146,747	11/14/2000	Wang et al.			
	6,264,044	07/24/2001	Meyering et al.			
	6,280,791	08/28/2001	Meyering et al.			
	6,413,070	07/02/2002	Meyering et al.			
	6,536,605	03/25/2003	Rice et al.			
AK	6,536,606	03/25/2003	Schneider et al.	✓	✓	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(use as many sheets as necessary)

1

1

3

SALE, Richard et al.

Art Unit

Examiner Name

Attorney Docket Number

CUNO-407.2

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
AP		US-	3,876,738	04/1975	Marinaccio et al.	
		US-	4,001,024	01/1977	Dittman et al.	
		US-	4,203,847	05/1980	Grandine, 2nd	
		US-	4,203,848	05/1980	Grandine, II	
		US-	4,340,479	07/1982	Pall	
		US-	4,340,480	07/1982	Pall et al.	
		US-	4,489,671	12/1984	Choinski	
		US-	4,629,563	12/1986	Wrasidlo	
		US-	4,645,602	02/1987	Barnes, Jr. et al.	
		US-	4,707,265	11/1987	Barnes, Jr. et al.	
		US-	4,770,777	09/1988	Steadly et al.	
		US-	4,774,039	09/1988	Wrasidlo	
		US-	4,854,262	08/1989	Chino et al.	
		US-	4,933,081	06/1990	Sasaki et al.	
		US-	5,171,445	12/1992	Zepf	
		US-	5,188,734	02/1993	Zepf	
		US-	5,256,357	10/1993	Hayward	
		US-	5,433,859	07/1995	Degan	
		US-	5,500,167	03/1996	Degan	
AP		US-	5,620,790	04/1997	Holzki et al.	

[illegible]

Date .
Considered

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
Sheet	2	of	3	Application Number	10/737,134
				Filing Date	12/16/2003
				First Named Inventor	SALE, Richard et al.
				Art Unit	
				Examiner Name	
				Attorney Docket Number	CUNO-407.2

U.S. PATENT DOCUMENTS						
Examiner Initials ²	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
RC		US- 5,741,549		04/1998	Maier et al.	
		US- 5,834,107		11/1998	Wang et al.	
		US- 5,962,075		10/1999	Sartor et al.	
		US- 6,040,392		03/2000	Khanna et al.	
AT		US- 6,090,441		07/2000	Vining et al.	
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				

FOREIGN PATENT DOCUMENTS								
Examiner Initials ²	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	To ³
		Office ³	Number ⁴	Kind ⁵ (if known)				
					</			

Examiner Signature		Date Considered	7/12/05
--------------------	--	-----------------	---------

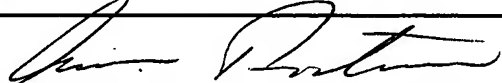
²EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/737,134
				Filing Date	12/16/2003
				First Named Inventor	SALE, Richard et al.
				Art Unit	
				Examiner Name	
Sheet	3	of	3	Attorney Docket Number	CUNO-407.2

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AK		ASTM (American Society for Testing and Materials) - Designation: E 1294-89 (Reapproved 1999) Standard Test Method for Pore Size Characteristics of Membrane Filters Using Automated Liquid Porosimeter.	
AK		TAYLOR, Shawn David, "Two Layer Slot Coating Study of Die Geometry and Interfacial Region," Master Thesis, McMaster University, Hamilton, Ontario, Canada, July 1997.	
AK		KISTLER, Stephan F. et al, Editors, "Liquid Film Coating," Scientific Principles and Their Technical Implications, Chapman & Hall, 1997	
		Troller Schweizer Engineering, "Concepts and Criteria for Die Design," brochure.	

Examiner Signature		Date Considered	7/12/05
--------------------	---	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

¹ Applicant's unique citation designation number
This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.